

Activity	Normal Time	Crash Time	Available	Crash Cost	Used
7	2	1	1	1	
2	3	2	1	2	1
3	4	2	2	3	2
1	2	1	1	4	1
11	2	1	1	5	
14	2	1	1	6	1
9	4	3	1	10	
8	6	4	2	15	2
6	20	14	6	20	
10	4	2	2	25	2
5	18	12	6	40	6
4	2	2	0	-	
12	1	1	0	-	
13	1	1	0	-	
15	--	--		-	

Activity to Crash	# of weeks to crash by	Crash cost (\$000/wk)	Path				
			1-2-3-4-5-10-12-13-14-15 (37 wks)	1-2-6-8-13-14-15 (34 wks)	1-2-3-4-5-11-15 (31 wks)	1-2-7-8-13-14-15 (16 wks)	1-2-9-14-15 (11 wks)
2	1	2	36	33	30	15	10
3	1	3	35	33	29	15	10
3	1	3	34	33	28	15	10
1	1	4	33	32	27	14	9
14	1	6	32	31	27	13	8
8	1	15	32	30	27	12	8
10	1	25	31	30	27	12	8
10	1	25	30	30	27	12	8
8	1	15	30	29	27	11	8
5	1	40	29	29	26	11	8
6	1	20	29	28	26	11	8
5	1	40	28	28	25	11	8
6	1	20	28	27	25	11	8
5	1	40	27	27	24	11	8
6	1	20	27	26	24	11	8
5	1	40	26	26	23	11	8
6	1	20	26	25	23	11	8
5	1	40	25	25	22	11	8
6	1	20	25	24	22	11	8
5	1	40	24	24	21	11	8
6	1	20	24	23	21	11	8

Stop Crashing!

Total Cost to Crash (\$000) 438

Hence, the shortest possible time to complete the project is **24** weeks. The cost incurred by doing this is **\$438,000**.